

$\hbar$

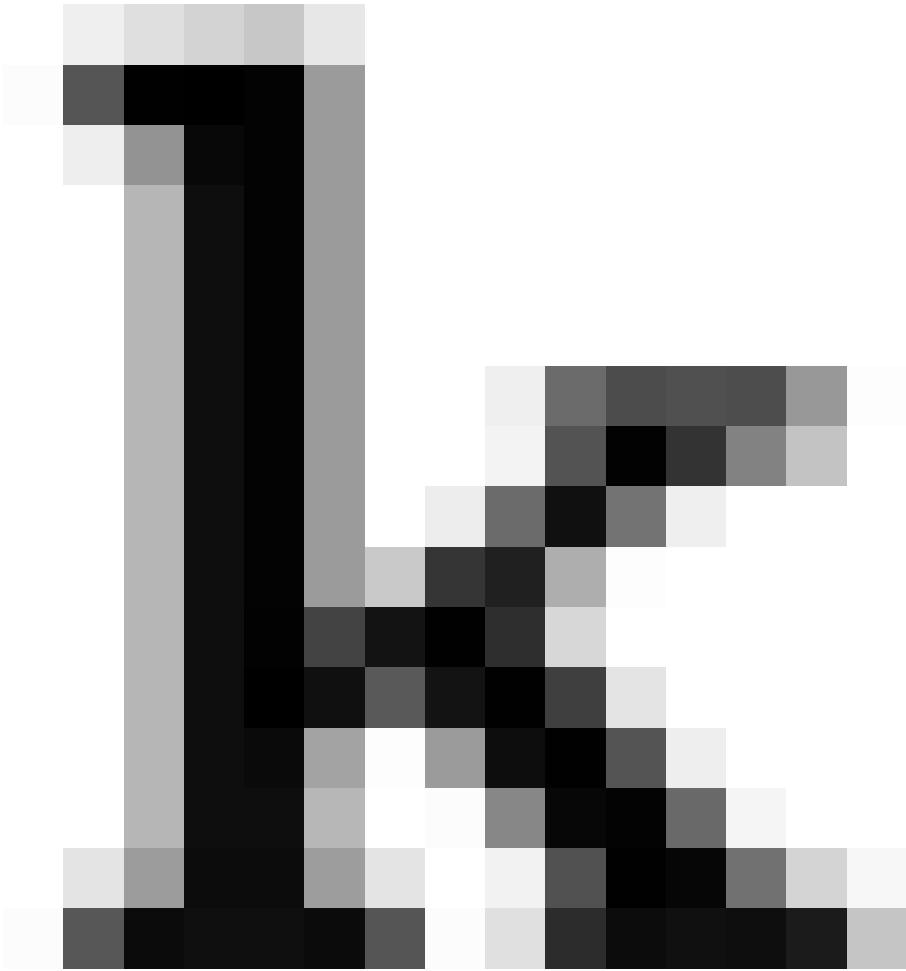
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$2M\omega_{\text{qu}}$

1

1

2

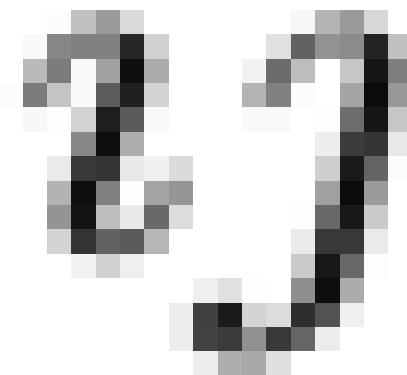
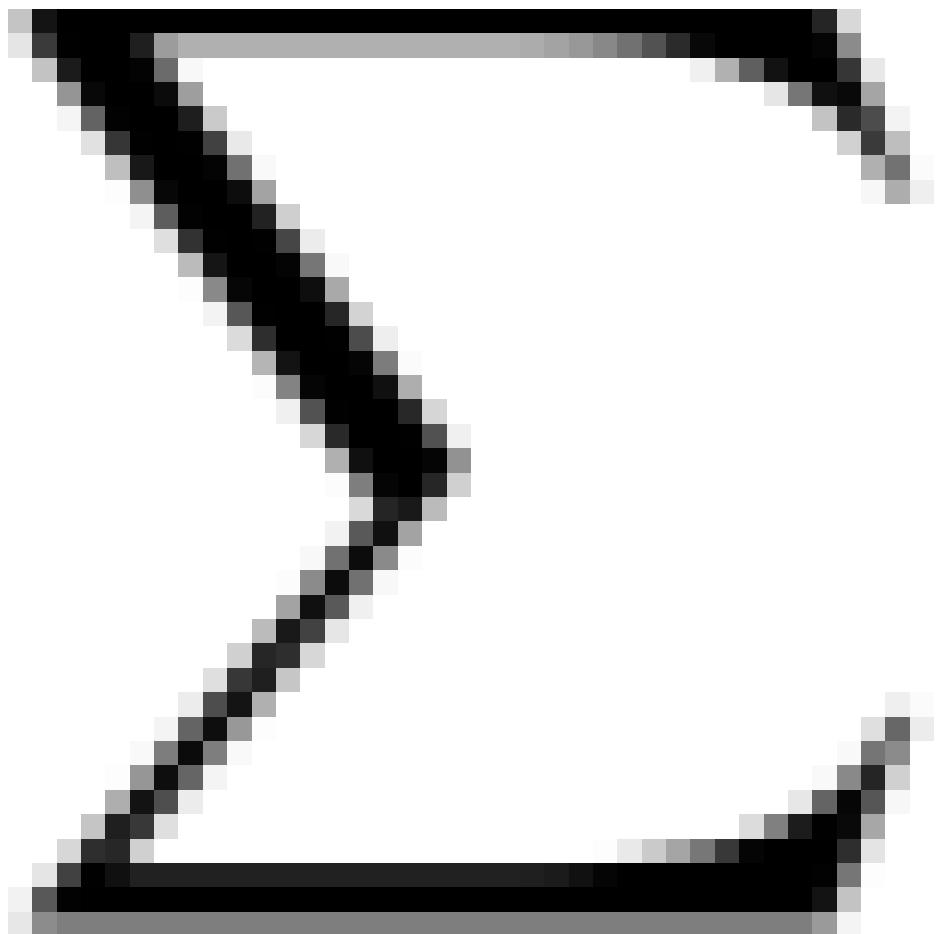


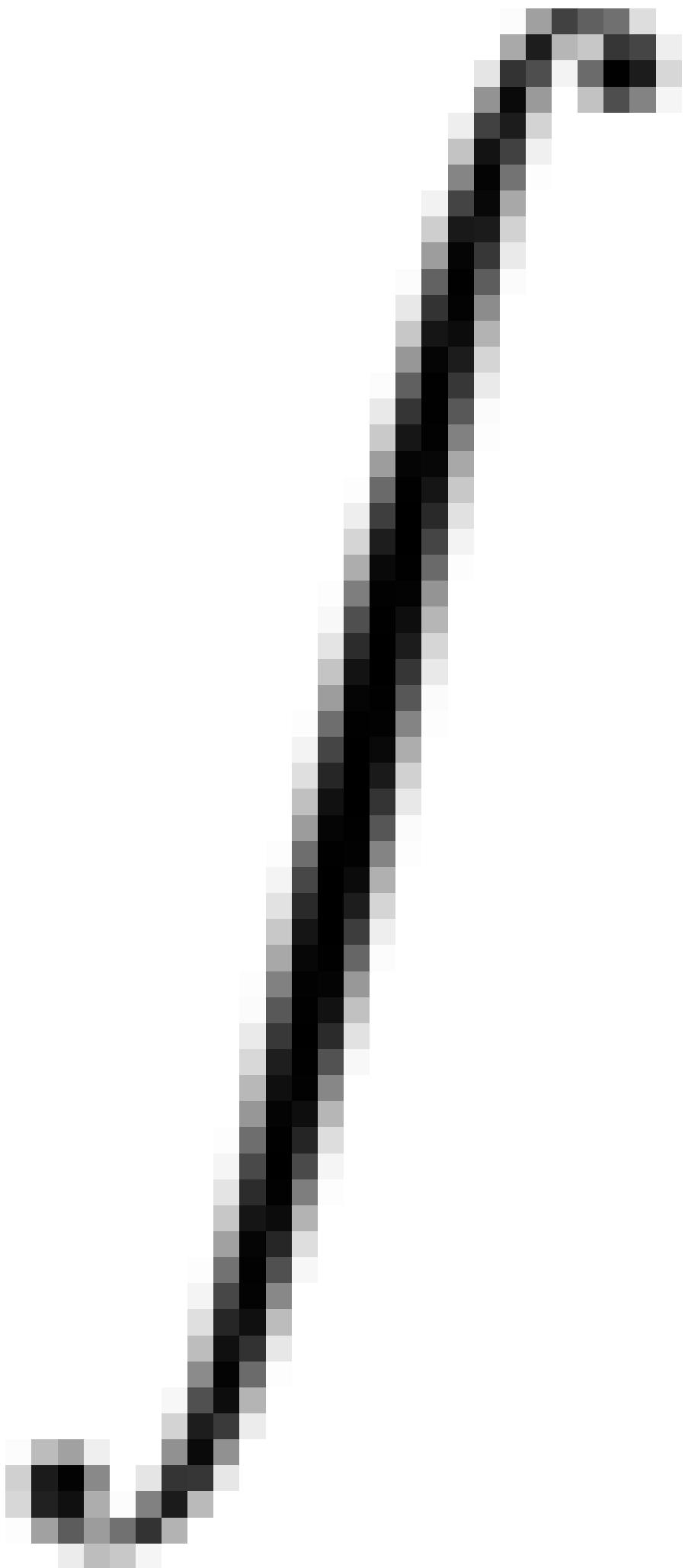
dVSCF

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dúgv







$\partial^3 \chi$



$\Sigma B \Sigma$

$\gamma_{qv}$

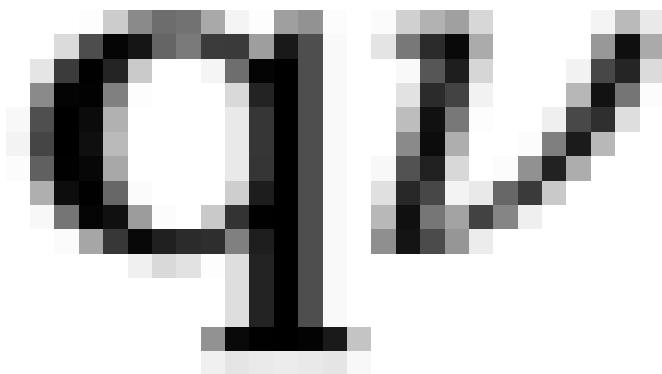
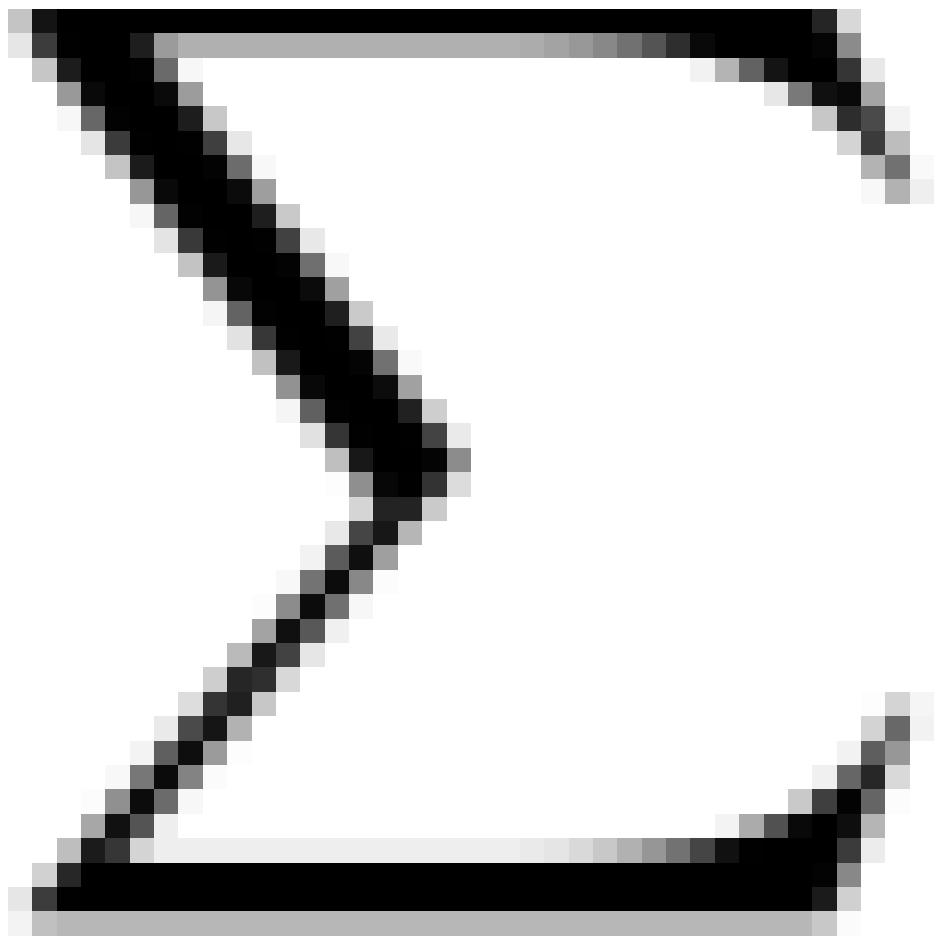
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$\pi \hbar e N(e_F) v^2_{\text{qv}}$

1

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$2\pi N(e_F)$

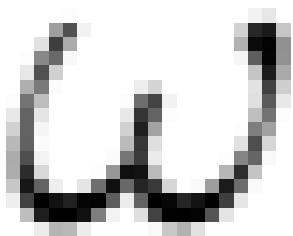


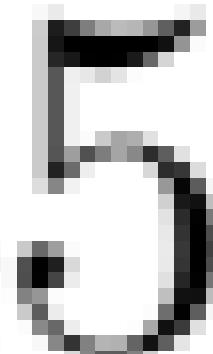
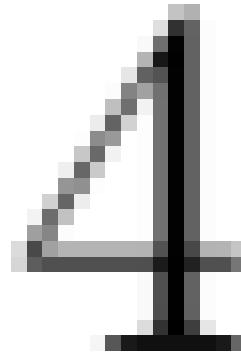
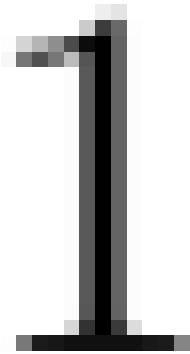
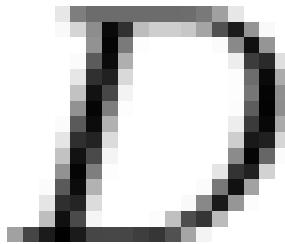
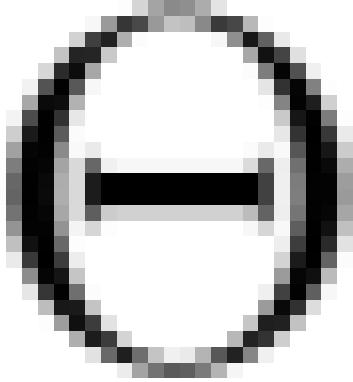
γqv

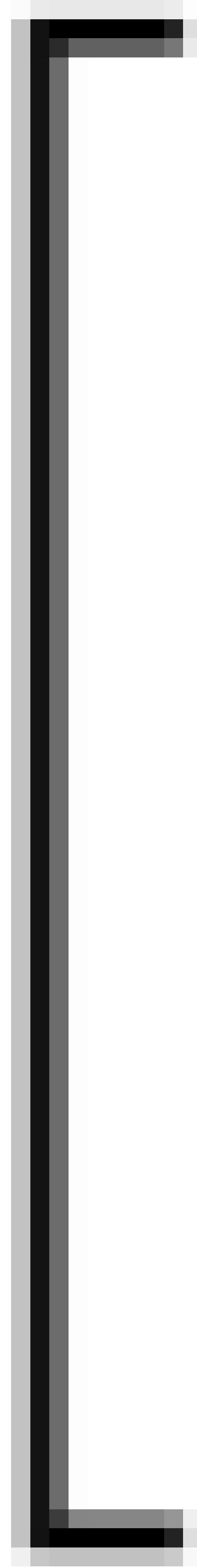


tbγqv

$\alpha^2 E(\omega)$







$$-\frac{1.04(1+\lambda)}{\lambda}$$

$$\lambda(1 - 0.62\mu^*) - \mu^*$$

